Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

 (Previously Presented) A device for use with an embolic protection filter, comprising:

an elongate sheath having a proximal region, a distal region, a lumen extending at least partially therethrough, and a distal mouth disposed adjacent the distal region;

wherein at least a portion of the distal region has an increased wall thickness relative to adjacent portions of the distal region;

wherein the distal mouth is expandable and is adapted to shift between a basal configuration and an enlarged configuration; and

wherein the distal region includes a bulbous member in the basal configuration.

- (Original) The device of claim 1, wherein the bulbous member includes a tapered proximal edge and a tapered distal edge.
- 3. (Original) The device of claim 1, wherein the proximal region of the sheath is defined by a first tubular shaft and the distal region of the sheath is defined by a second tubular shaft attached to the first shaft.
 - 4. (Original) The device of claim 1, wherein the sheath includes a braid.

- (Original) The device of claim 4, wherein the braid is disposed adjacent the distal region.
- (Original) The device of claim 4, wherein the braid is disposed adjacent the bulbous member.
- (Original) The device of claim 4, wherein the braid includes a
 plurality of fibers that are braided together, and wherein at least one of the fibers includes
 a radiopaque material.
- (Original) The device of claim 1, wherein the bulbous member includes a plurality of subunits.
- (Original) The device of claim 1, wherein the sheath includes one or more longitudinal grooves.
- (Original) The device of claim 9, wherein the one or more grooves are disposed adjacent the bulbous member.
- (Original) The device of claim 9, wherein the one or more grooves extend proximally of the bulbous member.

12. (Cancelled).

- (Previously Amended) The device of claim 1, wherein the portion of the distal region that has an increased thickness is disposed adjacent the bulbous member.
- (Original) The device of claim 1, wherein the distal region includes a support coil.

15. (Previously Presented) A medical device, comprising:

an elongate sheath having a proximal region, a distal region, a lumen extending therethrough, and a bulbous region disposed adjacent the distal region;

wherein at least a portion of the distal region has an increased wall thickness relative to adjacent portions of the distal region; and

wherein the lumen adjacent the distal region is flared so that the sheath has a first inside diameter adjacent the proximal region and a second inside diameter adjacent the distal region, the second inside diameter being greater than the first inside diameter.

- (Original) The device of claim 15, wherein the sheath includes a braid.
- (Original) The device of claim 15, wherein the braid is disposed adjacent the distal region.

- 18. (Original) The device of claim 15, wherein the braid is disposed adjacent the bulbous region.
- 19. (Original) The device of claim 15, wherein the braid includes a plurality of fibers that are braided together, and wherein at least one of the fiber includes a radiopaque material.
- (Original) The device of claim 15, wherein the sheath includes one or more longitudinal grooves.
- (Original) The device of claim 20, wherein the one or more grooves are disposed adjacent the bulbous member.
- (Original) The device of claim 20, wherein the one or more grooves extend proximally of the bulbous member.
- 23. (Previously Presented) A delivery and retrieval sheath for use with embolic protection filtering devices, comprising:

an elongate tubular sheath having a proximal region, a distal region, and a lumen extending therethrough:

wherein at least a portion of the distal region has an increased wall thickness relative to adjacent portions of the distal region;

means for funneling a filter into the lumen; and

means for strengthening the distal region.

 (Previously Presented) A device for retrieving an embolic protection filter, comprising:

an elongate tube proximal region, a distal region, an outside diameter, and a filter lumen extending at least partially therethrough;

a bulbous member coupled to the distal region of the tube to define a retrieval sheath, the bulbous member having an outside diameter that is greater than the outside diameter of the tube;

wherein at least a portion of the bulbous member has an increased wall thickness relative to adjacent portions of the distal region;

the bulbous member including a proximal tapered surface and a distal tapered surface;

wherein the retrieval sheath is configured to be slidable along a guidewire;

wherein the distal tapered surface provides the retrieval sheath with a gradual transition in outside diameter adjacent the bulbous member when the sheath is distally advanced along the guidewire; and

wherein the proximal tapered surface provides the retrieval sheath with a gradual transition in outside diameter adjacent the bulbous member when the sheath is proximally retracted along the guidewire.

- 25. (Original) The device of claim 24, wherein the proximal region of the tube is defined by a first tubular shaft and the distal region of the tube is defined by a second tubular shaft attached to the first shaft.
- (Original) The device of claim 24, wherein the retrieval sheath includes a braid.
- (Original) The device of claim 26, wherein the braid is disposed adjacent the distal region.
- 28. (Original) The device of claim 26, wherein the braid is disposed adjacent the bulbous member.
- 29. (Original) The device of claim 26, wherein the braid includes a plurality of fibers that are braided together, and wherein at least one of the fiber includes a radiopaque material.
- 30. (Original) The device of claim 24, wherein the bulbous member is integral with the distal region.
- (Original) The device of claim 24, wherein the bulbous member includes a plurality of subunits.

- 32. (Original) The device of claim 24, wherein the retrieval sheath includes one or more longitudinal grooves.
- 33. (Original) The device of claim 32, wherein the one or more grooves are disposed adjacent the bulbous member.
- 34. (Original) The device of claim 32, wherein the one or more grooves extend proximally of the bulbous member.
- (Original) The device of claim 24, wherein the distal region includes a support coil.
- 36. (New) A device for use with an embolic protection filter, comprising: an elongate sheath having a proximal region, a distal region, a lumen extending at least partially therethrough, and a distal mouth disposed adjacent the distal region:

wherein at least a portion of the distal region has an increased wall thickness relative to adjacent portions of the distal region;

wherein the distal mouth is expandable and is adapted to shift between a basal configuration and an enlarged configuration; and

wherein the distal region includes a bulbous member in the basal configuration; and

the distal region includes a support coil.

(New) A device for retrieving an embolic protection filter, comprising:

an elongate tube proximal region, a distal region, an outside diameter, and a filter lumen extending at least partially therethrough, and the distal region includes a support coil;

a bulbous member coupled to the distal region of the tube to define a retrieval sheath, the bulbous member having an outside diameter that is greater than the outside diameter of the tube;

wherein at least a portion of the bulbous member has an increased wall thickness relative to adjacent portions of the distal region;

the bulbous member including a proximal tapered surface and a distal tapered surface;

wherein the retrieval sheath is configured to be slidable along a guidewire;

wherein the distal tapered surface provides the retrieval sheath with a gradual transition in outside diameter adjacent the bulbous member when the sheath is distally advanced along the guidewire; and

wherein the proximal tapered surface provides the retrieval sheath with a gradual transition in outside diameter adjacent the bulbous member when the sheath is proximally retracted along the guidewire.